V-ZUG Ltd

Dishwasher

Design integrated Adora N

Operating instructions

Thank you for choosing to buy one of our products. Your appliance is made to high standards and is easy to use. Nevertheless, please take the time to read these operating instructions in order to familiarize yourself with the appliance and get the best use out of it.
Please follow the safety precautions.

Modifications

Text, diagrams and data correspond to the technical standard of the appliance at the time these operating instructions went to press. The right to make technical modifications for the purpose of the further development of the appliance is reserved.

Symbols used

Denotes important safety precautions. Failure to observe said precautions can result in injury or damage to the appliance or fittings!

➤ Indicates step-by-step instructions.
– Describes how the appliance reacts to the steps taken.
• Indicates a list.

Denotes useful tips for the user.

Validity

The model number corresponds to the first 3 digits on the identification plate. These operating instructions apply to the models:

Model	Type	Model no.	Size system
Adora 55 N	GS 55Ndi	023	SMS 55
Adora 55 N	GS 55N-Gdi	024	SMS 55
Adora 60 N	GS 60Ndi	025	EURO 60
Adora 60 N	GS 60N-Gdi	026	EURO 60

Variations depending on the model are noted in the text.

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Contents

1 Safety precautions 5
1.1 Before using for the first time 5
1.2 Correct use 6
1.3 Children in the home 7
1.4 Note on use 7

2 Your appliance 10
2.1 Appliance description 10
2.2 Appliance construction 11
2.3 Operating and display elements 12

3 Programme overview 14
3.1 Additional functions 16

4 User settings 17
4.1 Acoustic signal 19
4.2 «All in 1» detergent 20
4.3 Rinse agent dosage 21
4.4 Water hardness 22
4.5 Hot water connection 24

5 Operation 25
5.1 Preparing the appliance 25
5.2 Loading the baskets 26
5.3 Loading tips for the upper basket 27
5.4 Loading tips for the lower basket 31
5.5 Adding the detergent 34
5.6 Selecting a programme 36
5.7 Selecting the economy programme 36
5.8 Selecting additional functions 37
5.9 Saving additional functions 38
5.10 Delayed start 39
5.11 Interrupting a programme 40
5.12 Aborting a programme 40
5.13 End of programme 41

6 Care and maintenance 42
6.1 Cleaning the interior 42
6.2 Cleaning the exterior 42
6.3 Cleaning the filter system 43
6.4 Cleaning the spray arms 44
6.5 Filling with regeneration salt 45
6.6 Filling with rinse agent 46
6.7 Cleaning the water inlet filter 47

7 Trouble-shooting **48**
7.1 What to do if 48
7.2 Power failure 54

8 Dishwashing tips **55**

9 Accessories and spare parts **56**

10 Technical data **58**
10.1 Note for testing institutes (SMS 55) 59
10.2 Note for testing institutes (EURO 60) 61
10.3 Noise measurement 63

11 Disposal **64**

12 Index **65**

13 Repair service **67**

1 Safety precautions

The appliance corresponds to recognised technology standards and the relevant safety regulations. Proper use of the appliance is however essential to avoid damage and accidents. Please therefore follow the precautions given in these operating instructions.

In accordance with the requirements of IEC 60335-1:

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless supervised or unless they have been given instruction concerning the use of the appliance by a person responsible for their safety.

1.1 Before using for the first time

- The appliance must be installed and connected up to the electricity supply in accordance with the separate installation instructions. Have the necessary work carried out by a qualified fitter/electrician.
- Dispose of the packaging material in accordance with local regulations.
- Fill the salt reservoir with approximately 1.5 l water and 1 kg regeneration salt.
- Mix the salt solution well using a wooden spoon.

For hygiene reasons, regeneration salt is also recommended for use with low water hardness and all in 1 detergents.

- Run a wash programme without any dishes (programme with detergent) in order to remove traces of grease left behind from the manufacturing process.

The appliance was tested with water before being shipped. There may therefore still be traces of water left in the appliance.

1.2 Correct use

- The appliance is only suitable for washing household dishes and cutlery with water and standard dishwasher detergent. The appliance is for use in the home and for the intended purpose only. No liability is assumed for any damage caused by improper or incorrect use.
- Any repairs, modifications or manipulations to the appliance, especially any electrically live parts, may only be carried out by the manufacturer, its Customer Services or similarly qualified persons. Repairs if carried out incorrectly may cause serious injury, damage to the appliance and fittings, as well as affect the functioning of the appliance. If the appliance is not working properly or in case of a repair order, follow the instructions given in the REPAIR SERVICE section. If necessary, please contact our Customer Services.
- Use original spare parts only.
- Retain these operating instructions for future reference. If you sell or pass the appliance on to a third party, please ensure these operating instructions accompany the appliance, together with the instructions on installation. In this way, the new owner can inform themselves about how to use the appliance correctly and read the pertinent safety precautions.

1.3 Children in the home

- Packaging material (e.g. plastic, polystyrene) can be dangerous for children. Danger of suffocation! Keep packaging material away from children.
- The appliance is designed for use by adults who are familiar with these operating instructions. Children are often unable to recognize the danger of electrical appliances. Ensure proper supervision and do not allow children to play with the appliance – there is a danger that children could get locked inside.
- The water in the appliance is not to be used as drinking water. Detergent residue in the appliance could cause eye or skin irritation! You should keep children away from the open appliance.
- Detergents can irritate the eyes, mouth and throat and even cause choking! You should keep detergent, regeneration salt and rinse agent out of the reach of children.

1.4 Note on use

When the power is off, the built-in overflow protection system is disabled.

- If the appliance is visibly damaged, do not use it. Contact our Customer Services.
- If the appliance is not operating properly, turn off the water tap and disconnect the appliance from the electricity supply immediately.
- If the mains cable of the appliance is damaged, it must be replaced by Customer Services in order to avoid hazard.
- Ensure that the mains cables of other electrical appliances do not get caught in the door of the appliance. The electrical cable insulation could become damaged.

- Do not sit or lean on the appliance door. After loading or unloading the appliance, do not leave the appliance door open as it can pose a risk – danger of tripping and bruising!
- Due to risk of injury, place knives and cutlery with sharp edges or points into the cutlery basket in such a way that they do not stick out (points facing downwards). Knives and cutlery may also be placed horizontally in the upper basket.
- Do not lean on the upper basket – risk of accident!
- Keep animals away from the appliance.
- To protect your dishes and cutlery, read the DISHWASHING TIPS section.
- Only use detergent, rinse agent and regeneration salt explicitly recommended for use with your appliance by the manufacturer in the operating instructions. Follow the manufacturer's instructions carefully.
- Do not use the appliance without any or too little detergent – risk of causing damage to the appliance.
- Do not use washing-up liquid as it can cause excessive foaming, causing your appliance to malfunction.
- Store detergent and regeneration salt in a cool, dry place. Lumpy detergent can cause problems. Follow the safety warnings issued by the detergent and rinse agent manufacturers carefully.
- After filling the salt reservoir, run the programme without dishes.
- Never fill the rinse agent reservoir or the regeneration salt reservoir with detergent. If this were to happen, however, do not operate the appliance under any circumstances, as this could cause expensive damage to it. Call our Customer Services.
- Do not wash objects that are soiled with inflammable or corrosive solvent, paint, wax, chemicals (acids or bases) or iron chippings or that can shed fibres in the appliance.
- Do not use solvents (e.g. turpentine, benzine) instead of, or in addition to, water in the appliance – fire or explosion hazard!

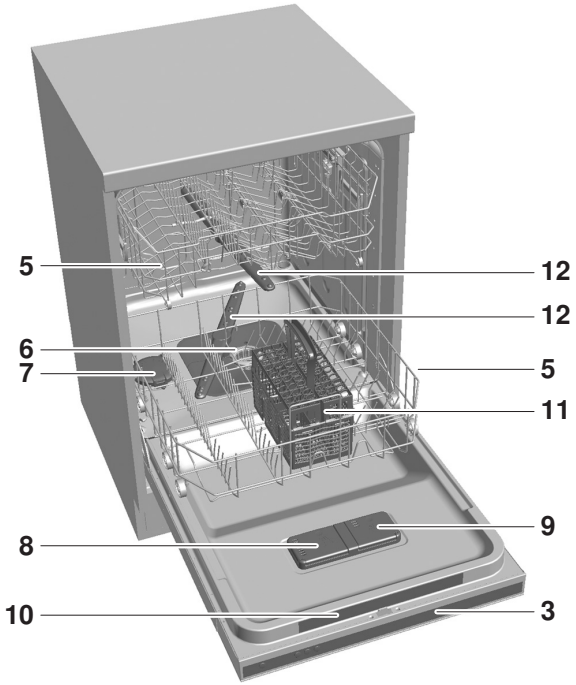
- Before closing the appliance door and starting a programme ensure that there are no foreign objects or pets in the appliance. Foreign objects, such as nails and paper clips, can damage parts of the appliance as well as the dishes.
- Never operate the appliance without the filter system in place.
- Only use soft materials for cleaning beneath the filter system. Never use metal objects for cleaning.
- Avoid opening the appliance door unnecessarily during operation. The dishes and the water may be hot – scalding hazard! The steam that escapes can damage wood combination fascias. Spectacles can steam up, impairing your vision.
- Do not leave the premises for a longer period of time when the appliance is in operation.
- During longer absences, always turn off the water tap before cutting the power going to the appliance by pulling out the plug or switching off the fuse. Never pull the plug out of the mains socket by the cable. The mains socket and the water connection are generally located in the cabinet adjacent to the appliance (under the kitchen sink, behind the waste bin).
- Do not spray the outside of the appliance with water. Do not use a steam cleaner.
- From time to time, check the drain hose for tears, kinks, twists, bends, etc.
- Ventilation openings on the base of the appliance must be kept clear and not become blocked (e.g. through carpet).

2 Your appliance

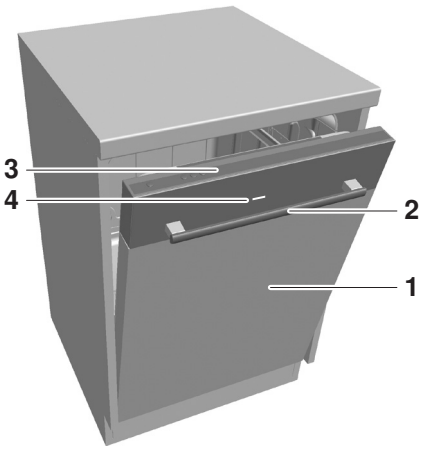
2.1 Appliance description

- Capacity
  12 international place settings (SMS 55)
  13 international place settings (EURO 60)
- 5 programmes
  «Daily»
  «Quick/Glass»
  «Intensive»
  «Pre-rinsing»
  «Economy programme»
- Additional functions
  «Energy saving»
  «Delayed start»
- «All in 1» detergent
- Acoustic signal
- Operation indicator on glass panel
- Hot water connection

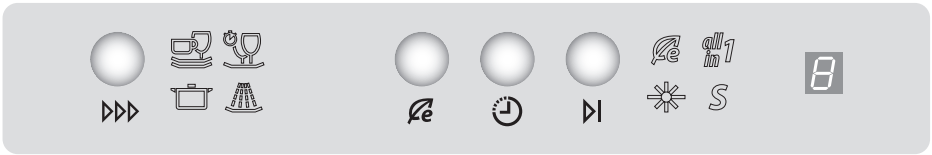
2.2 Appliance construction



1 Appliance door
2 Door handle
3 Operating and display elements
4 Operation indicator on glass panel
5 Baskets
6 Filter system
7 Salt reservoir
8 Detergent dispenser
9 Rinse agent reservoir
10 Quick operating instructions
11 Cutlery basket
12 Spray arms



2.3 Operating and display elements



Programme buttons

- Programme selection
- Economy programme
- End of programme

Additional functions (buttons)

- Energy saving
- Delayed start

Programme symbols

- Daily
- Quick/Glass
- Intensive
- Pre-rinsing

Additional functions/indicators (symbols)

- Energy saving
- Rinse agent refill indicator
- «All in 1» detergent
- Salt refill indicator

Operation indicator on glass panel

- Operating status indicator

Display (digital display)

Various information appears in the display during the programme selection and the programme sequence:

- Delayed start
- Error messages

Operation indicator on glass panel

	Operation indicator is flashing The programme is finished.
	Operation indicator is illuminated The programme is active.
	Operation indicator is dark The appliance is switched off.

Acoustic signal

An acoustic signal is emitted at the end of the programme and in the event of a malfunction.

3 Programme overview

Programme	Symbol	Use
Daily		For normal soiling. Not suitable for burned-on or dried-on soiling.
Quick/Glass		For light soiling, aperitif dishware and coffee cups and saucers. Not suitable for slowly dissolving tabs. Gentle programme for glasses.
Intensive		For heavy soiling as well as pots, pans and gratin dishes with dried- or burned-on soiling. Particularly suitable for starchy soiling (mashed potato, rice...).
Pre-rinsing		To prevent soiling drying on if intending to start a wash programme later.
Economy programme		Economical programme for normal soiling (declaration programme).

Programme sequence/consumption data

Pre-rinsing [°C]	Cleaning [°C]	Inter-mediate rinsing	Rinsing with rinse agent [°C]	Drying	Duration	Water [l]	Energy [kWh]
Yes	55	Yes	70	Yes	1h15	13	1.20
No	45	Yes	60	Yes	0h45	11	0.85
If required	65	Yes	70	Yes	1h40	21	1.40
Yes	No	No	No	No	0h07	4	0.05
No	50	Yes	65	Yes	2h30	10	1.03 – 1.04

3.1 Additional functions

Function	Symbol	Use
Energy saving		Reduces the wash temperature during cleaning by 5 °C, providing energy savings of approximately 10 % and gentle washing for glassware.
Delayed start		The delayed start allows you to wash during off-peak hours (e.g. at off-peak electricity rates). A delayed start of between 1 and 9 hours can be set. The delayed start duration last entered is shown as a suggestion.

4 User settings

User settings can only be changed when no programme is running. The procedure is generally the same for all settings.

Changing user settings

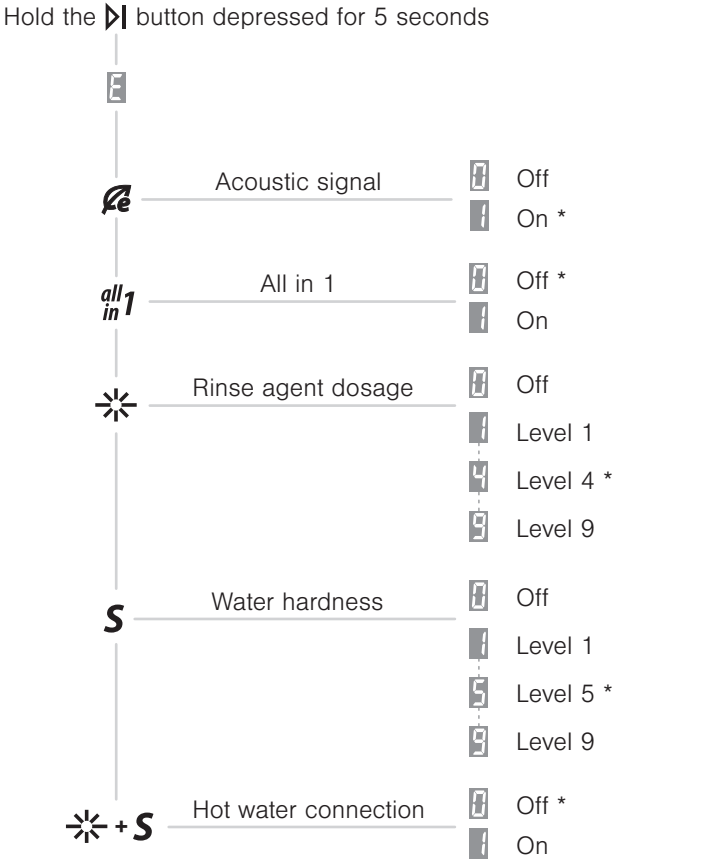
➤ Hold the ⏯ button depressed for 5 seconds.
  – Display: E
➤ Press the ⏯ button repeatedly until the required setting (symbol) illuminates.
  – Display: 0 (example)
➤ To change, press the ⏩ button.
  – The symbol for the programme selection button flashes.
  – Display: 1 (example)
  – The setting is accepted.

Exiting user settings

➤ Press the ⏯ button repeatedly until the display goes out.

If no button is pressed within about 15 seconds, the user settings are saved and the display goes out.

The following diagram gives an overview of the possible user settings.



* Factory setting

4.1 Acoustic signal

An acoustic signal is emitted at the end of a programme and if the appliance malfunctions.

In the event of a malfunction, an acoustic signal is emitted even if it is set to off.

If a delayed start has been set, no acoustic signal is emitted at the end of the programme.

Setting the acoustic signal

➤ Hold the ⏯ button depressed for 5 seconds.
  – Display: E

➤ Press the ⏯ button repeatedly until eco illuminates.
  – Display: 1 (example: Acoustic signal «On», factory setting)

➤ To change, press the ⏩ button.
  – Display: 0 (example: Acoustic signal «Off»)
  – The setting is accepted.

➤ To exit user settings, press the ⏯ button repeatedly until the display goes out.

4.2 «All in 1» detergent

The «All in 1» setting adapts the programme for use with detergent with integrated salt and rinse agent function in an optimal way.

- all in 1 products can only be used up to a certain water hardness. If the S or refill indicators illuminate, still refill with regeneration salt or rinse agent.
- The duration of very short programmes is extended because all in 1 detergent takes longer to dissolve.

Setting for «All in 1» detergent

➤ Hold the ⏯ button depressed for 5 seconds.
  – Display: E
➤ Press the ⏯ button repeatedly until all in 1 illuminates.
  – Display: 0 (example: All in 1 «Off», factory setting)
➤ To change, press the ⏩ button.
  – Display: 1 (example: All in 1 «On»)
  – The setting is accepted.
➤ To exit user settings, press the ⏯ button repeatedly until the display goes out.

4.3 Rinse agent dosage

If the drying result is unsatisfactory, then the dosage can be switched off («Off» setting) or set to one of 9 levels.

- If the dishes are still wet or there are water spots, set the dosage to level 6 or higher.
- If the dishes are streaky, set the dosage to level 3.

Setting the rinse agent dosage

➤ Hold the ⏯ button depressed for 5 seconds.
  – Display: E
➤ Press the ⏯ button repeatedly until ✳ illuminates.
  – Display: 4 (example: level 4, factory setting)
➤ Press the ⏩ button repeatedly until the required setting appears in the display.
  – Display: 6 (example: level 6)
  – The setting is accepted.
➤ To exit user settings, press the ⏯ button repeatedly until the display goes out.

4.4 Water hardness

The built-in water softener removes limescale from the water, enabling problem-free cleaning. Automatic regeneration occurs at regular intervals, thus guaranteeing its effectiveness. After regeneration, the next programme starts by rinsing out the water softener by pumping water through it and draining simultaneously.
For hygiene reasons, regeneration salt is also recommended for use with low water hardness and all in 1 detergents.
The water hardness setting should be set to suit local conditions. There are 9 water hardness levels available. It is set at level 5 ex-factory.

For information on the level of water hardness in your area, visit www.wasserqualitaet.ch or contact your local water authority.

Setting the water hardness

The water hardness setting can be changed to suit local conditions.

- ➤ Hold the ⏯ button depressed for 5 seconds.
  - – Display: E
- ➤ Press the ⏯ button repeatedly until S illuminates.
  - – Display: 5 (example: level 5, factory setting)
- ➤ Press the ⏩ button repeatedly until the required setting appears in the display.
  - – Display: 6 (example: level 6)
  - – The setting is accepted.
- ➤ To exit user settings, press the ⏯ button repeatedly until the display goes out.

The water softener is deactivated at level 0.

Levels of water hardness

Possible settings for French (°fH) and German (°dH) measures of water hardness

Level	0	1	2	3	4	5 *	6	7	8	9
°fH	0 – 5	6 – 10	11 – 15	16 – 20	21 – 25	26 – 30	31 – 40	41 – 50	51 – 70	71 – 120
°dH	0 – 3	4 – 6	7 – 9	10 – 12	13 – 14	15 – 16	17 – 22	23 – 27	28 – 38	39 – 65

* Factory setting

4.5 Hot water connection

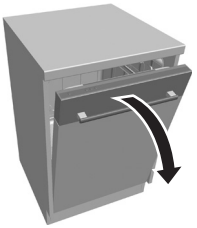
The available hot water is used optimally. If the water intake is still too cold, a short pre-rinse is carried out. The cleaning phase with hot water follows. If the additional energy saving function is selected, the water is heated up further electrically to only a minimum temperature, reducing energy consumption further.

Setting the hot water

➢ Hold the ⏯ button depressed for 5 seconds.
  – Display: E
➢ Press the ⏯ button repeatedly until ✳ and S illuminate.
  – Display: 0 (example: Hot water connection «Off», factory setting)
➢ To change, press the ⏩ button.
  – Display: 1 (example: Hot water connection «On»)
  – The setting is accepted.
➢ To exit user settings, press the ⏯ button repeatedly until the display goes out.

5 Operation

5.1 Preparing the appliance



Open the appliance door

➤ Pull the door handle forwards.

– Any programme that is running will be automatically interrupted.

Before using for the first time

➤ Switch the power on.

➤ Turn the water tap on.

➤ Fill the salt reservoir with approximately 1.5 l water and 1 kg regeneration salt.

➤ Mix the salt solution well using a wooden spoon.

For hygiene reasons, regeneration salt is also recommended for use with low water hardness and all in 1 detergents.

➤ Wipe away any excess salt around the edge of the salt reservoir.

➤ Fill the rinse agent reservoir with rinse agent.

➤ Run the programme without dishes to protect the appliance from corrosion from any excess salt.

On initial use, the S refill indicator can remain illuminated for several wash cycles.

S will go out when the salt concentration in the reservoir is evenly distributed (after approximately 10 wash cycles).

5.2 Loading the baskets

Not all table- and kitchenware are dishwasher safe. Please follow the advice in DISHWASHING TIPS.

- ➤ Remove any coarse or hard pieces of food or foreign objects left on the dishes.
- ➤ Make sure no toothpicks get into the appliance. Toothpicks can cause the filter system to become clogged up.
- ➤ Dishes, pots and pans with heavily burned-on food debris stuck to them should be soaked in water first.
- ➤ After loading the dishes, check that the spray arms can turn freely.

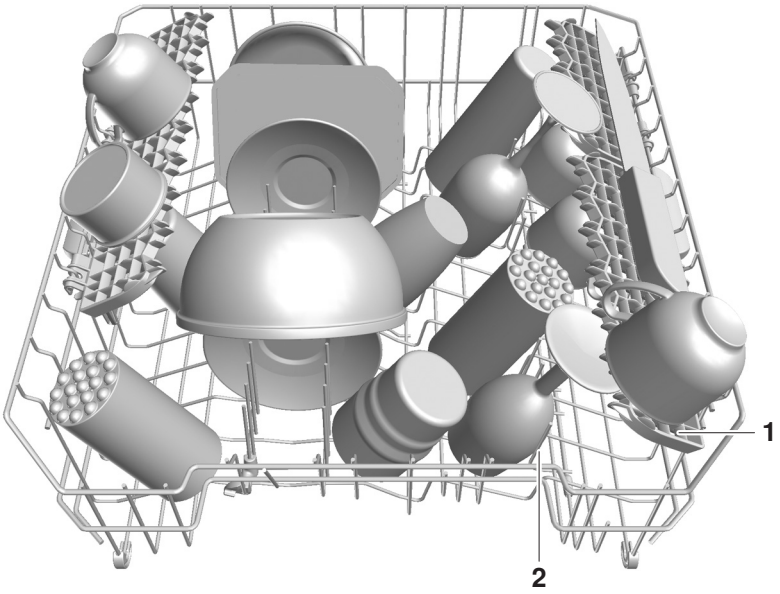
In the following, you will find some loading tips to help you get the best results from your appliance.

5.3 Loading tips for the upper basket

➤ Pull the upper basket out as far as it will go and load. Arrange smaller items such as saucers, glasses, cups and dishes.

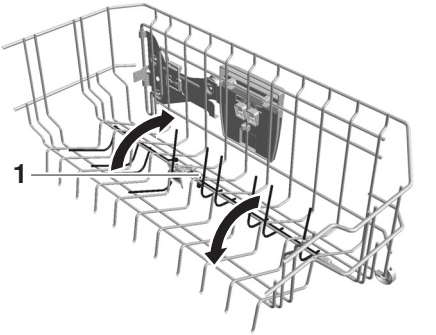
➤ If using foldable racks **1**, stagger the items so that the water can reach the dirty surfaces better.

➤ Rest glasses on the foldable glass holder **2**.

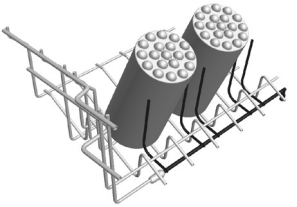


Glass holders

The glass holders **1** are particularly suitable for tall glasses. They can be folded down or up.



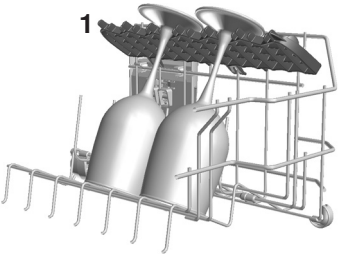
➤ Push the glass holders gently down or, alternatively, pull them up until they engage.



Racks

The racks **1** can be used as glass holders.

Remove the racks to accommodate tall glasses.

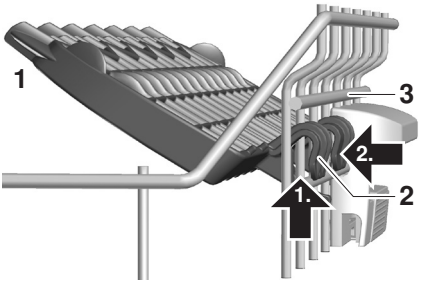


Dismantling/adjusting the height of the racks

The height of the racks is adjustable.

1. Push the rack **1** up by the hooks **2**.
2. Push the rack inwards and then out.

➤ Hook the rack in the higher position **3**, if required.

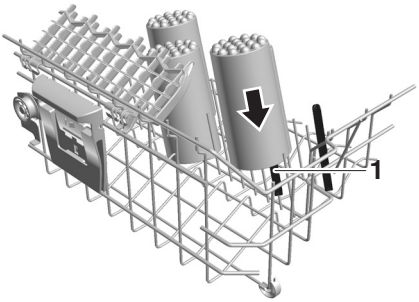


Easy prongs

The easy prongs **1** can be placed over the prongs anywhere in the basket.

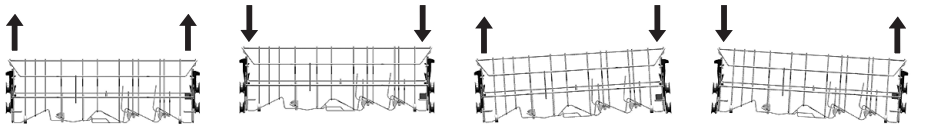
By using the easy prongs, drinking glasses, baby bottles, sports bottles, vases and carafes can be placed anywhere in the basket.

Use 2 easy prongs for wider vessels.



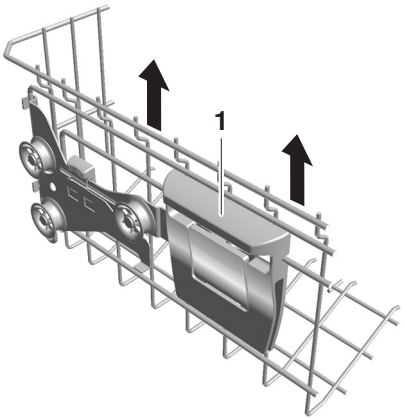
Adjustable upper basket

The height of the upper basket can be adjusted to 3 levels by a total of approximately 4 cm. It can be inclined in various ways.



Raising the upper basket

➤ Hold the upper basket at the sides by the grips **1** and raise it into the position required.



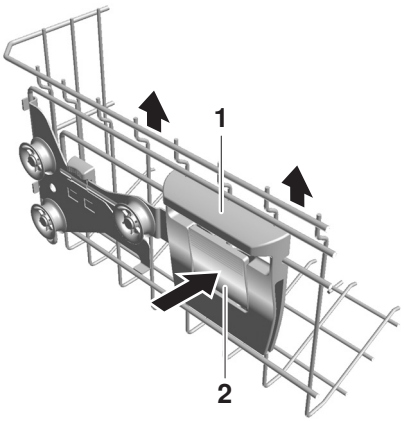
Lowering the upper basket

➤ Hold the upper basket at the sides by the grips **1**.

➤ Raise the upper basket slightly and press the button **2** at the same time.

– The locking device is released.

➤ Lower the upper basket into the position required, release the button and engage the basket.

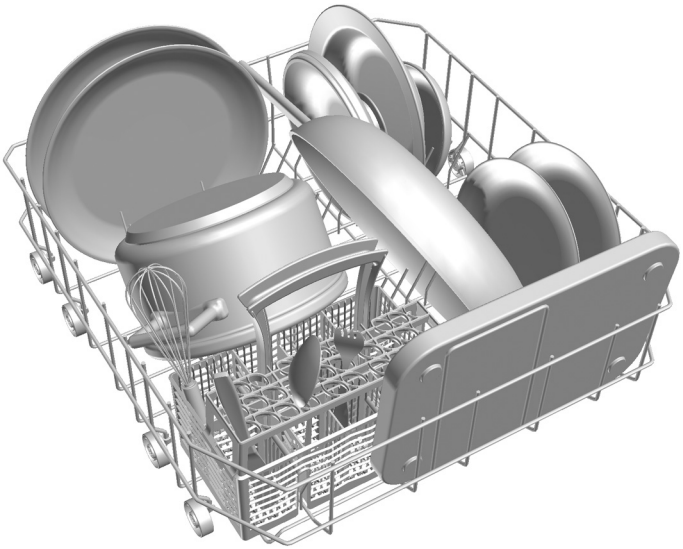


5.4 Loading tips for the lower basket

➤ Pull the lower basket out as far as it will go and load.

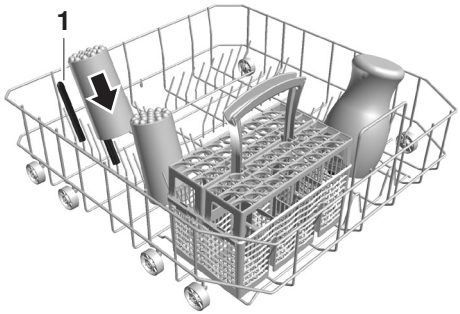
➤ Load larger items such as plates, bowls, platters, pots and pans.

➤ Load wide dishes (soup plates, lids, etc.) at the back on the right.



Put plastic bowls in the upper basket. If loaded into the lower basket, they could be lifted by the pressure of the water and could come into contact with the revolving spray arm.

Easy prongs



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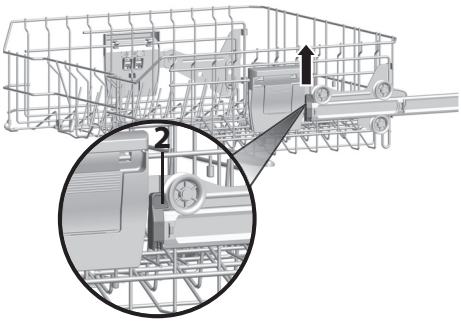
By using the easy prongs, drinking glasses, baby bottles, sports bottles, vases and carafes can be placed anywhere in the basket.

Use 2 easy prongs for wider vessels.

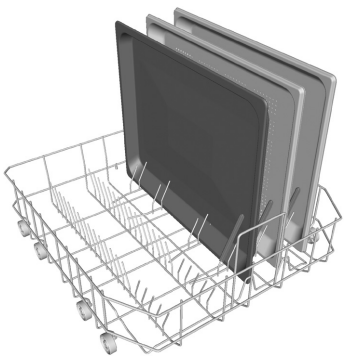
Cleaning baking trays



The upper basket has to be removed for larger baking trays.

- ➤ Slide the upper basket out as far as possible.
- ➤ Remove the basket safety lock **2** by pushing it upwards.
- ➤ Pull the upper basket out of its guides.

When the upper basket is put back, the basket safety lock **2** must be put back in.



- ➤ Arranging baking trays.
  - – The easy prongs act as a stable prop.

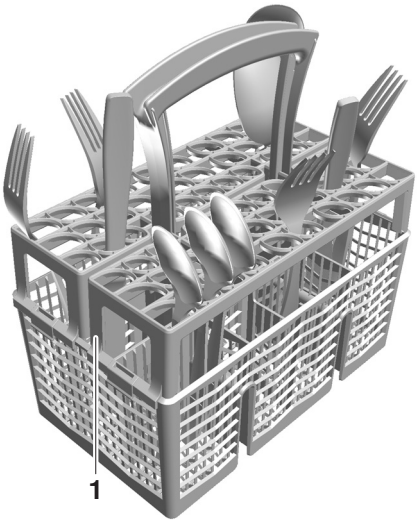
Cutlery basket

To avoid injury, place knives and cutlery with sharp edges or points into the cutlery basket in such a way that they do not stick out (points facing downwards).

Knives and cutlery with sharp edges or points may also be placed horizontally in the upper basket.

The cutlery basket may be placed over the easy prongs anywhere in the lower basket.

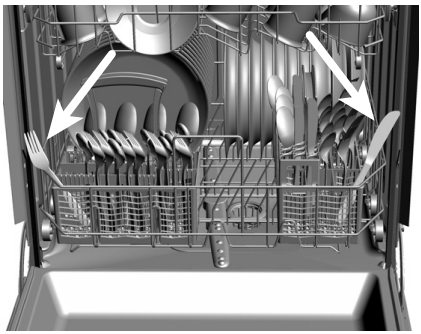
➤ Put cutlery loosely in the cutlery basket, with handles pointing down. Make sure no spoons are sticking together.



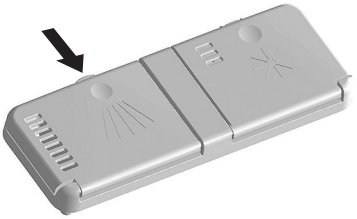
The inserts **1** supplied prevent items of cutlery sticking together, water spots during drying, and smaller items (e.g. mocca spoons) slipping through the basket.

➤ Fit the inserts to the cutlery basket.

When closing the appliance door, ensure no items of cutlery are sticking out of the tub or are trapped. The leak tightness of the appliance cannot otherwise be assured.



5.5 Adding the detergent

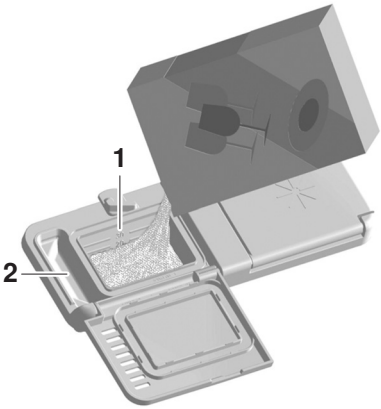


Powder

➤ Open the detergent dispenser by pushing the release catch in the direction of the arrow.

➤ Add the detergent to the detergent compartment.

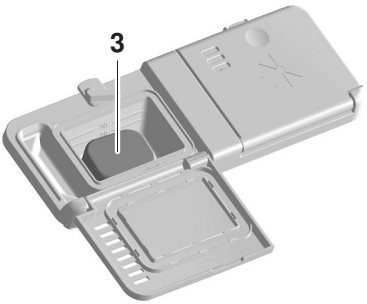
- For dosage, follow the detergent manufacturer's instructions.
- Observe the «20 and 30 ml» level marks **1**.
- For heavier soiling, add approximately 1 tablespoon of detergent to the pre-rinsing compartment **2**.



➤ Close the cover.

Tabs

➤ Place the tab **3** flat in the detergent compartment.



Choice of detergent

Do not use washing-up liquid. It can cause excessive foaming, causing your appliance to malfunction.
Follow the dosage instructions printed on the detergent package carefully. Using too high a dosage can cause damage to the appliance.

➤ Only use detergent specially formulated for dishwashers.

- The detergent manufacturer's advice centre will gladly help with any problems (e.g. detergent dosage).
- Tabs may not dissolve properly at a wash temperature of 55 °C or lower, affecting the cleaning performance of the appliance.

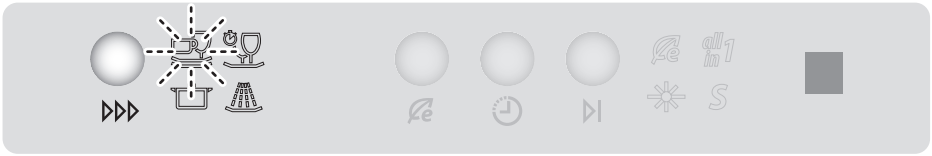
Using combination cleaning products (all in 1 tabs/powder)

If using combination cleaning products, which should render the use of rinse agent and regeneration salt superfluous, please observe the following tips:

- By setting the user settings for all in 1 to 1, the programmes and displays are adapted to suit the detergent.
- If the S or ✳ refill indicators illuminate, the regeneration salt or rinse agent should still be refilled.
- If, after washing and drying, the results are not satisfactory, use conventional cleaning products. Refill the regeneration salt and rinse agent reservoirs. Change the user settings for all in 1 to 0. For complaints, please contact the detergent manufacturer.

5.6 Selecting a programme

➤ Press the ▷▷▷ button repeatedly until the required programme symbol flashes.

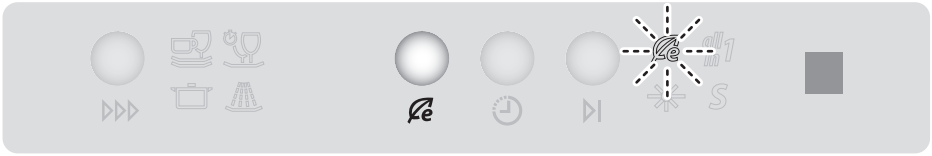


➤ Close the appliance door.
- The programme starts immediately.
- The operation indicator on the glass panel illuminates.

If the appliance door is not closed within 15 seconds of selecting a programme, all entries, symbols and the display go out. A 2× acoustic signal is also emitted. It is necessary to make a new programme selection.
Press the ▷| button at any time to cancel the programme selected.

5.7 Selecting the economy programme

➤ With the appliance switched off, press the Eco button.
- Eco flashes.

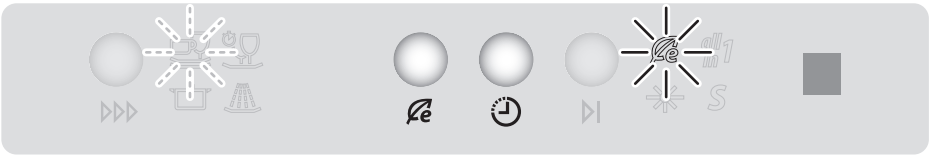


➤ Close the appliance door.
- The programme starts immediately.
- The operation indicator on the glass panel illuminates.

5.8 Selecting additional functions

After selecting a programme, it is possible – within 15 seconds and while the programme symbol is flashing – to select additional functions.

➤ Press the additional function button.
– illuminates (example).



➤ Close the appliance door.
– The programme starts immediately.
– The operation indicator on the glass panel illuminates.

It is not possible to select the additional function with the programme.

Energy saving

This additional function reduces the energy consumption by approximately 10 %.

➤ Press the button while the programme symbol is flashing.
– illuminates.
➤ Press the button repeatedly to cancel the additional function.

5.9 Saving additional functions

When an additional function is saved, it is automatically active during programme selection.

➤ Hold the additional function button depressed for 5 seconds.
– The selection is saved.
➤ Depress the button again for 5 seconds to clear the saved function.

The corresponding symbol flashes briefly and an acoustic signal is emitted to confirm that the additional function has been saved or deselected.

5.10 Delayed start

The delayed start allows you to wash during off-peak hours (e.g. at off-peak electricity rates). A delayed start of between 1 and 9 hours can be set. The delayed start duration last entered is shown as a suggestion.

Setting a delayed start

- ➤ Select a programme and the additional «Delayed start» function.
- ➤ Press the ⏲ button repeatedly until the required delayed start period appears in the display, e.g.: 5 (5 hours).
- ➤ Close the appliance door.
  - – The operation indicator on the glass panel goes dark.
  - – The countdown to the set delayed start begins.

Dishes can be loaded at any time during the delayed start.

When the delayed start period is up, the programme selected starts automatically.

No acoustic signal is emitted at the end of the programme.

Clearing

- ➤ Open the appliance door.
- ➤ Repeatedly press or hold down the ⏲ button until the delayed start is cleared.
- ➤ Close the appliance door.
  - – The programme selected starts.

5.11 Interrupting a programme

The dishes and water may be hot – scalding hazard!

➤ Open the appliance door carefully.
- The programme is interrupted.
- The programme symbol flashes.

When the appliance door is closed – in the case of higher water temperatures – noise from the pump switching on and off up to 5 times with short pauses in between may be heard. During this phase, temperature equalisation takes place.

5.12 Aborting a programme

The dishes and water may be hot – scalding hazard!

➤ Open the appliance door carefully.
- The programme is interrupted.
- The programme symbol flashes.

➤ Hold the ⏯ button depressed for 2 seconds.
- The water is pumped off.
- Display: 0
- A 5× acoustic signal is emitted.
- The display and symbols go out.

5.13 End of programme

At the end of the programme:

– A 5× acoustic signal is emitted.
– The operation indicator on the glass panel flashes for about 30 minutes (drying).
– After drying, a long acoustic signal is emitted.

For a better drying result, the appliance door should not be opened until a long acoustic signal is emitted and the operation indicator goes out. After drying, the appliance enters the energy-saving stand-by mode.

Unloading

➤ Unload the dishes or alternatively leave them in the appliance until next needed.

Unload the lower basket first.

➤ Periodically check the filter system and clean if necessary.

6 Care and maintenance

6.1 Cleaning the interior

Using the correct dosage of detergent will automatically clean the interior of the appliance. We recommend cleaning the appliance twice a year with dishwasher cleaner.

Follow the directions for use for dishwasher cleaner carefully. Most dishwasher cleaners work more effectively at higher temperatures. We therefore recommend using the programme.

6.2 Cleaning the exterior

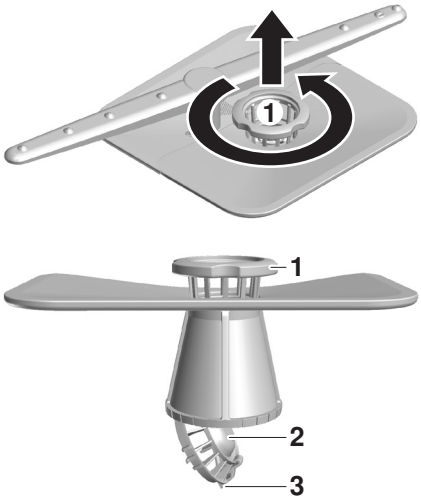
- ➤ Do not use abrasive or highly acidic detergent.
- ➤ Do not use abrasive scouring pads, metal wool, etc. – damage to the surface.
- ➤ Remove any soiling or traces of cleaning agent immediately.
  - Detergent: washing-up liquid, glass cleaner
- ➤ Clean the surfaces with a soft, damp cloth – for metal surfaces rub in the direction of the polish lines. Wipe dry with a soft cloth.
- ➤ Clean the operating panel with a damp cloth and then wipe dry.
  - Detergent: washing-up liquid, glass cleaner
- ➤ From time to time, clean the seal and the edges of the appliance door with a soft, damp cloth.

6.3 Cleaning the filter system

Only use soft materials for cleaning beneath the filter system.
Never use metal objects for cleaning.
An incorrectly assembled filter system can cause the appliance to malfunction.

A dirty filter system can cause unsatisfactory cleaning results and affect the water outlet. Therefore, periodically check and clean the filter system.

- ➤ Open the appliance door and pull out the lower basket.
- ➤ Release the filter system in fine filter **1** in an anti-clockwise direction and remove.
- ➤ Open the coarse filter **2** by pressing on closure plate **3** and clean the filter system under running water using a brush.
- ➤ Remove any coarse debris.
- ➤ Replace the filter system and turn the fine filter **1** as far as it will go in a clockwise direction.

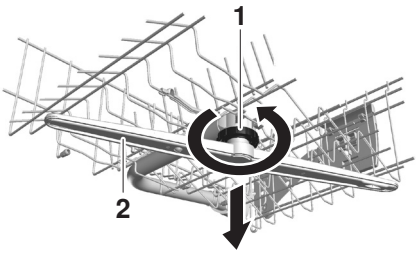


6.4 Cleaning the spray arms

If the cleaning performance is unsatisfactory or if dishwasher detergent is being left behind, then the nozzles in the spray arms may be clogged.

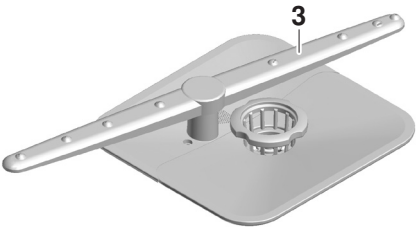
Upper spray arm

- ➤ Remove the upper basket.
- ➤ Release bayonet fastener **1** in an anti-clockwise direction and remove.
- ➤ Remove the spray arm **2** from the shaft and rinse well under running water.
- ➤ Check the nozzles.



Lower spray arm

- ➤ Hold the spray arm **3** in the middle and pull hard upwards.
- ➤ Rinse the spray arm well under running water.
- ➤ Check the nozzles.



Clean the filter system and the coarse filter at the same time. See CLEANING THE FILTER SYSTEM.

6.5 Filling with regeneration salt

Never fill the salt reservoir with detergent!

When the supply of regeneration salt is exhausted, the **S** refill indicator illuminates during programme selection and at the end of the programme.

- ➢ Open the appliance door and pull out or remove the lower basket.
- ➢ Open the cover of the salt reservoir by lifting up the grip.
- ➢ When using for the first time, fill with approximately 1.5 l water. Then fill with 1 kg standard regeneration salt. The drain pump may come on briefly.
- ➢ Wipe away any excess salt around the edge of the salt reservoir.
- ➢ Close the cover and engage the latch.
- ➢ Run the programme without dishes to protect the appliance from corrosion from any excess salt.

On initial use, the **S** refill indicator can remain illuminated for several wash cycles. Mix the salt solution well using a wooden spoon. **S** will go out when the salt concentration in the reservoir is evenly distributed (after approximately 10 wash cycles).

Approximate consumption of regeneration salt

Water supply	**°fH**	0–5	6–10	11–15	16–20	21–25
	°dH	0–3	4–6	7–9	10–12	13–14
1 kg salt suffices for approx. cycles		–	680	360	250	150
Water supply	**°fH**	26–30	31–40	41–50	51–70	71–120
	°dH	15–16	17–22	23–27	28–38	39–65
1 kg salt suffices for approx. cycles		125	90	60	40	20

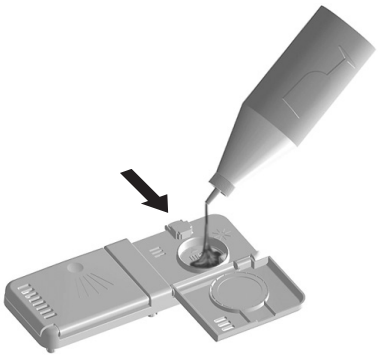
6.6 Filling with rinse agent

Never fill the rinse agent reservoir with detergent.
Wipe away any spilt rinse agent (risk of foaming and error messages in which A / 0, A / 2 alternate).
Follow the manufacturer's safety instructions and warnings.

Rinse agent prevents water spotting after final rinsing (rinsing with rinse agent). The rinse agent is dosed automatically from the reservoir in the appliance door.

When the supply of rinse agent is exhausted, the ✳ refill indicator illuminates during programme selection and at the end of the programme.

- ➢ Open the rinse agent reservoir by pushing the release catch in the direction of the arrow.
- ➢ Fill with rinse agent up to the «max.» mark (1.3 dl suffices for approximately 35 wash cycles).
- ➢ Close the cover.
- ➢ Wipe away any spilt rinse agent.

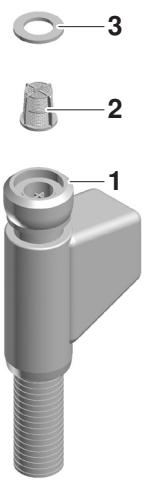


6.7 Cleaning the water inlet filter

Have the water inlet filter cleaned by experts only. If carried out incorrectly, there is a risk of flooding!

The built-in water inlet filter can become blocked by limescale deposits, rust or foreign objects.
This can cause an error message in which A / 9 alternate.

- ➤ Turn off the water tap.
- ➤ Unscrew the connection **1** using water pump pliers.
- ➤ Remove the water inlet filter **2** using pointed pliers and then clean or replace.
- ➤ Clean the seal **3**.
- ➤ Replace the water inlet filter **2** and seal **3**. Tighten the connection **1** on the water tap.
- ➤ Turn on the water tap and check for leaks.



7 Trouble-shooting

This section lists faults that can be solved simply by following the instructions given. If another fault is displayed or the fault cannot be remedied, please call Customer Services.

Please note down the error message and the serial number (FN) before calling Customer Services.

Malfunction warning indicated by acoustic signal

- In the event of a malfunction, an acoustic signal is emitted for 1 minute.
- Malfunction warnings are indicated by an acoustic signal even if the acoustic signal is switched off in the USER SETTINGS.
- Detailed information on any current malfunction appears in the display.

7.1 What to do if …

… A / d alternate

Possible cause	Solution
• High foaming detergent was used. • Spilt rinse agent. • Washing-up liquid was used.	➤ Wipe away spilt rinse agent with a cloth. ➤ Get rid of the foam with approximately 1 dl vinegar. ➤ Cancel the error message by pressing the ⏯ button. ➤ Select the programme.

... A / 2 alternate

Possible cause	Solution
• Filter system blocked. • Drain hose bent or kinked. • Drain pump or siphon is blocked. • Excessive foaming due to rinse agent spillage.	➤ Fix the problem. ➤ Cancel the error message by pressing the ⏯ button. ➤ Restart the programme.

... A / 9 alternate

Possible cause	Solution
• Water tap is turned off. • Water inlet filter blocked. • Interruption in water supply. • Water pressure too low.	➤ Fix problem or wait until water supply is restored. ➤ Cancel the error message by pressing the ⏯ button. ➤ Restart the programme.

... E / 1 / 8 alternate

Possible cause	Solution
• Water intake is hotter than 79° C (hot water connection).	➤ Have a plumber reduce the temperature of the water intake.

... E / _ alternate

Possible cause	Solution
• Various situations can lead to an «E» message.	➤ Cancel the error message by pressing the ⏯ button. If the error message persists: ➤ Switch the power supply off for about 1 minute. ➤ Switch the power supply back on again. ➤ Cancel the error message by pressing the ⏯ button. ➤ Restart the programme. ➤ If the error appears again, note down the error message and FN number. ➤ Turn the water tap and the power supply off. ➤ Call Customer Services.

... H / 2 alternate

Possible cause	Solution
• Faulty electrical connection. • Overvoltage.	➢ Cancel the error message by pressing the ⏯ button. If the error message persists: ➢ Switch the power supply off for about 1 minute. ➢ Switch the power supply back on again. ➢ Cancel the error message by pressing the ⏯ button. ➢ Restart the programme. ➢ If the error appears again, note down the error message and FN number. ➢ Switch the power supply off. ➢ Have the electrical installation checked by an expert.

… the appliance will not start

➢ Close the appliance door.
➢ Plug in at the mains socket.
➢ Check the fuses.

… the dishes are not clean

➢ Select a more powerful programme.
➢ Load the baskets differently, avoiding blind spots.
➢ Clean the filter system and re-insert correctly.
➢ Check whether the spray arms are clogged or dirty.
➢ Use the correct amount of detergent or use a different kind of detergent.
➢ Check the water hardness setting.
➢ Refill the salt reservoir with regeneration salt.

… there is a white film on the dishes

➢ Refill the salt reservoir with regeneration salt and then start the programme without any dishes.
➢ Use the correct amount of detergent or use a different kind of detergent.
➢ Refill the rinse agent.
➢ Increase the rinse agent dosage setting.
➢ If not using all in 1 detergent, «All in 1» must be set to in the USER SETTINGS.

… there are streaks or milky spots on the dishes

➢ Reduce the rinse agent dosage setting.
➢ If not using all in 1 detergent, «All in 1» must be set to in the USER SETTINGS.

… the dishes are wet and dull or have water marks on them

➤ Refill the rinse agent.

➤ Increase the rinse agent dosage setting.

➤ Do not open the appliance door until the end of the programme when a long acoustic signal is emitted and the operation indicator goes out.

➤ If not using all in 1 detergent, «All in 1» must be set to 1 in the USER SETTINGS.

… there are rust stains on the items being washed

The rust stems from another source, e.g. the cutlery, pans, water pipe, etc. The appliance is made of rust-free steel.

➤ After filling the salt reservoir, select the programme without dishes.

… the detergent is not fully dissolved

➤ Check to see whether the spray arms are clogged or dirty.

➤ Use a different kind of detergent.

➤ Check the detergent dispenser cover.

… there is discolouring of the baskets and plastic parts inside the appliance

Dishes were washed that still had discolouring food leftovers on them (e.g. tomato or curry sauce). The discolouration may fade after a few wash cycles.

… an unpleasant smell tends to come from the appliance

➤ Clean the filter system.

➤ Add detergent and run the programme.

➤ Select a more powerful programme.

➤ Add enough regeneration salt.

7.2 Power failure

A power failure causes:

- the programme that is currently running to stop. After the cause of the power supply failure has been resolved, the programme is resumed.
- the fault indication system to be interrupted.

8 Dishwashing tips

Dishes

Not all table- and kitchenware are dishwasher safe.

- Handcrafted objects and wooden or plastic parts that are sensitive to heat or detergent suds should be cleaned by hand.
- Printed glass and porcelain are hardwearing only to a point and eventually can wear off over time.
- Handcrafted pottery has a tendency to crack or chip.
- Objects made of silver, copper and tin have a tendency to discolour, turning brown or black.
- Stress and tension in thick cut crystal glasses and dishes can cause cracking.
- Depending on the type of glassware and the detergent being used, permanent clouding may result. Check with your glassware supplier as to whether your glassware is dishwasher safe.
- Spots tend to form on aluminium. This can affect other items being washed (spots on porcelain). Aluminium should therefore ideally be washed separately.

General

- To prevent damage to glass and water spots, arrange glasses in such a way that they do not touch.
- Do not overload the baskets.
- Load beverage and food containers such as cups, glasses, pots, etc. with the opening facing downwards so that the water can drain off.
- Save energy, water and detergent by loading the appliance to capacity.
- When washing range hood grease filters use the maximum detergent dosage.

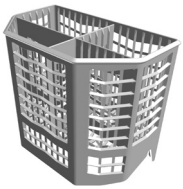
  ➤ Select the programme.

9 Accessories and spare parts

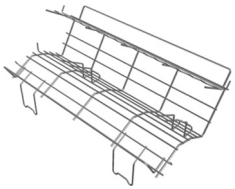
Please give model number of the appliance and exact description of the accessory or spare part when ordering parts.

Accessories

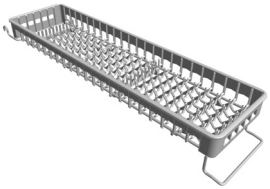
«Small» cutlery basket



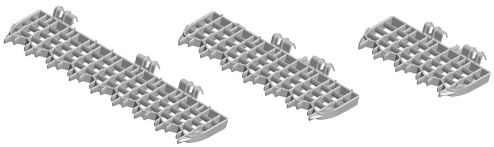
Cup insert



Vario cutlery basket insert



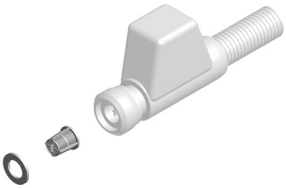
Racks



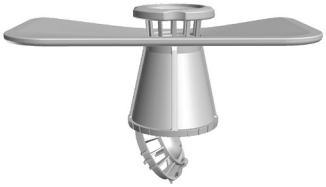
Set of 4 easy prongs

Spare parts

Seal/water inlet filter for Aqua-Stop



Filter system



10 Technical data

External dimensions

	SMS 55	SMS 55 Extra height	EURO 60	EURO 60 Extra height
Height (with slide plate) [cm]	75.9	82.4	75.9	82.4
Height (with plinth) [cm]:	–	84.5–89.0	78.0–89.8	84.5–96.3
Width [cm]:	54.6	54.6	59.6	59.6
Depth [cm]:	57.2	57.2	57.2	57.2
Weight [kg]:	42	44	42	44

Plumbing

Cold or hot water up to 60 °C: G¾"

Permitted pressure of water supply: 0.1–1.0 MPa (1–10 bar)

Max. pumping height: 1.2 m

Electrical connection

➤ See identification plate

Safety concept

Provided power is going to the appliance, the electronic control unit monitors the appliance. Any malfunction is indicated by error messages.

Overflow protection

In the event of a power failure, the overflow protection system is rendered ineffective. Hence, the water tap should be turned off during longer periods of non-use.

The electronic control unit monitors the water level in the appliance. In the event of a malfunction, the drain pump turns on, stopping the supply of water to the appliance.

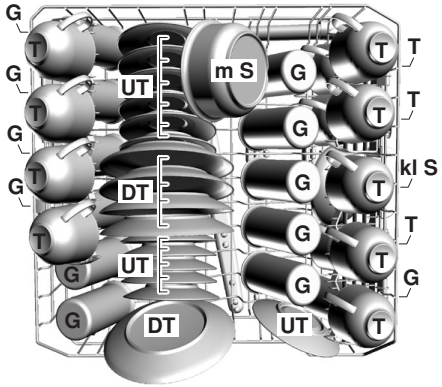
10.1 Note for testing institutes (SMS 55)

Capacity:	12 place settings (SMS 55)
Loading:	See following images
Detergent dosage:	5 g reference detergent on the inner door panel and 25 g in the detergent dispenser
Rinse agent dosage:	Level 9
Declaration programme:	Economy programme

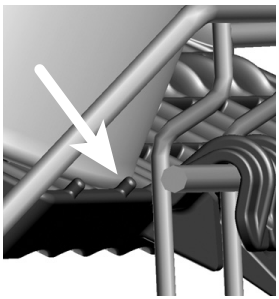
After the programme has finished, the appliance automatically switches to the «Off state» and reduces the power consumption to 0.2 watts.

Upper basket (soiling)

T 12 cups (tea)
UT 12 saucers (tea)
G 12 glasses (milk)
DT 5 dessert plates (egg)
m S 1 medium serving dish (spinach)
kl S 1 small serving dish (spinach)

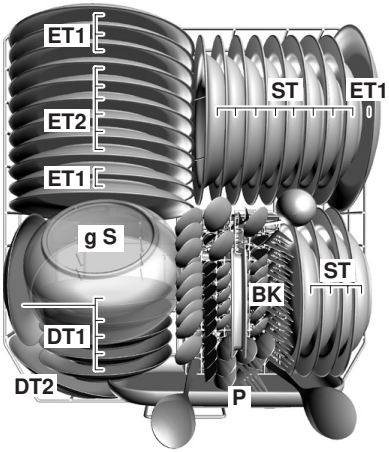


- ➤ Lower the basket right down.
- ➤ Engage racks in upper position.
- ➤ Place cups **T** on the rack on the left-hand side over the gaps between the glasses **G**. The cups must sit on the rack (cam) and not lie against the basket (see image).
- ➤ Place the medium serving dish **m S** at the back in a slanting position over the saucers.



Lower basket (soiling)

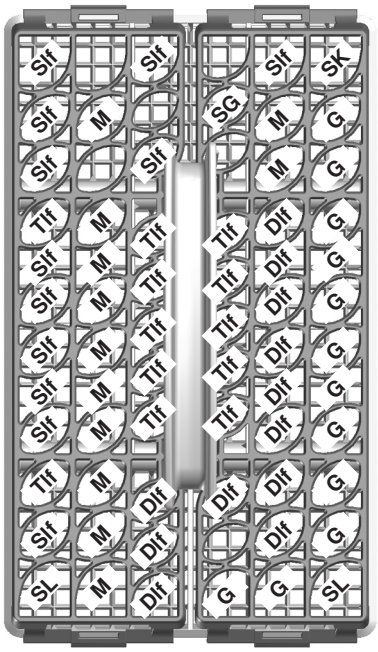
ET1 6 plates (egg)
ET2 6 plates (minced meat)
ST 12 soup plates (porridge)
DT1 6 dessert plates (spinach)
DT2 1 dessert plate (egg)
g S 1 large serving dish (minced meat)
P 1 oval platter (margarine)



Cutlery basket BK (soiling)

TIf 12 teaspoons (clean)
DIf 12 dessert spoons (clean)
SIf 12 soup spoons (porridge)
M 12 knives (clean)
G 12 forks (egg)
SL 2 serving spoons (clean)
SG 1 serving fork (clean)
SK 1 sauce spoon/spatula (clean)

back (3 compartments)



front (2 compartments)

➤ Arrange cutlery vertically and so that it is not touching.
➤ Place **SL** and **SK** at an angle (see image) in the cutlery basket.

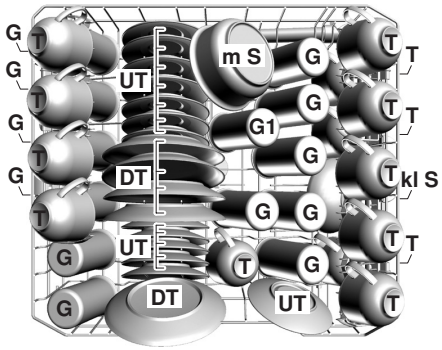
10.2 Note for testing institutes (EURO 60)

Capacity:	13 place settings (EURO 60)
Loading:	See following images
Detergent dosage:	5 g reference detergent on the inner door panel and 27.5 g in the detergent dispenser.
Rinse agent dosage:	Level 9
Declaration programme:	Economy programme

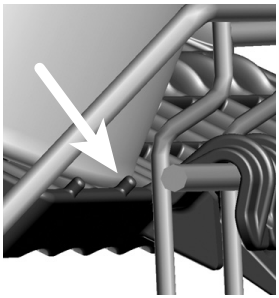
After the programme has finished, the appliance automatically switches to the «Off state» and reduces the power consumption to 0.2 watts.

Upper basket (soiling)

T 13 cups (tea)
UT 13 saucers (tea)
G 13 glasses (milk)
DT 5 dessert plates (egg)
m S 1 medium serving dish (spinach)
kl S 1 small serving dish (spinach)

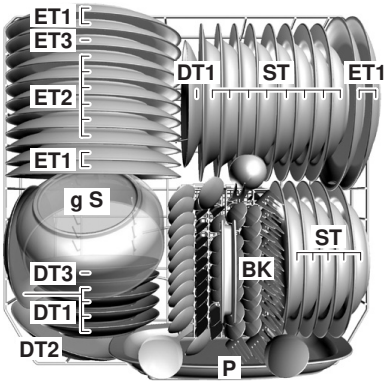


- ➤ Lower the basket right down.
- ➤ Engage racks in upper position.
- ➤ Place cups **T** on the rack on the left-hand side over the gaps between the glasses **G**. The cups must sit on the rack (cam) and not lie against the basket (see image).
- ➤ Place the medium serving dish **m S** at the back in a slanting position over the saucers.



Lower basket (soiling)

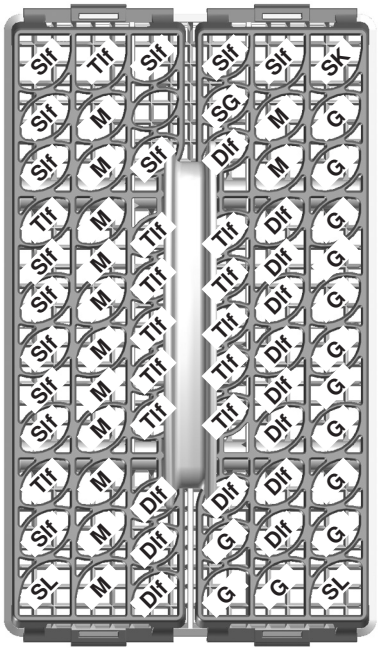
ET1 6 plates (egg)
ET2 6 plates (minced meat)
ET3 1 plate (top half with egg/bottom half with minced meat)
ST 13 soup plates (porridge)
DT1 6 dessert plates (spinach)
DT2 1 dessert plate (egg)
DT3 1 dessert plate (bottom half with egg/top half with spinach)
g S 1 large serving dish (minced meat)
P 1 oval platter (margarine)



Cutlery basket BK (soiling)

TIf 13 teaspoons (clean)
DIf 13 dessert spoons (clean)
SIf 13 soup spoons (porridge)
M 13 knives (clean)
G 13 forks (egg)
SL 2 serving spoons (clean)
SG 1 serving fork (clean)
SK 1 sauce spoon/spatula (clean)

back (3 compartments)



front (2 compartments)

➤ Arrange cutlery vertically and so that it is not touching.
➤ Place **SL** and **SK** at an angle (see image) in the cutlery basket.

10.3 Noise measurement

The measurement is to be carried out in accordance with the European Norm on airborne acoustical noise IEC 60704.

Please note the Installation Instructions accompanying the appliance.

- ➤ Install the appliance (see Installation Instructions).
- ➤ For relevant appliances, screw the slide plate to the floor at the front and back.
- ➤ Feed the inlet and drain hose into and then out of the test cabinet (see Installation Instructions). Seal the opening around the hoses and cable in accordance with the norm.
- ➤ Fit a 19 mm thick chipboard (density: >750 kg/m^3) to the appliance door as a decorative plate. The decorative plate must reach down to the floor, with an air gap of max. 2 mm. The lateral distance may not exceed 2 mm. Appliances with an adjustable plinth are built in without this.
- ➤ To level out any unevenness between the test cabinet and the floor, seal any gaps between them.
- ➤ As described in the norm, the measurement is to be carried out without detergent and rinse agent. Turn rinse agent dosage off (see USER SETTINGS).
- ➤ First, completely fill the salt reservoir with water and then add the regeneration salt (see CARE AND MAINTENANCE).
- ➤ The appliance regenerates periodically. This extends the life of the appliance, but has no significant effect on the noise measurement.
- ➤ Set the water hardness setting (see USER SETTINGS).

11 Disposal

Packaging

- All packaging materials (cardboard, plastic film (PE) and polystyrene (EPS)) are marked and should, if possible, be collected for recycling and disposed of in an environmentally friendly way.

Disconnection

- Disconnect the appliance from the mains. With a fixed appliance, this is to be carried out by a qualified electrician!

Safety

- Disable the appliance to prevent accidents caused by improper use, especially through children playing.
- Pull the plug out of the mains socket or have the appliance disconnected from the mains by a qualified electrician. Then cut off the mains cable.
- Remove or disable the lock on the appliance door.

Disposal

- The old appliance should not be discarded as worthless rubbish. If disposed of correctly, the raw materials can be recovered for recycling.
- The symbol on the identification plate warns that the appliance may not be disposed of in normal household waste.
- The appliance must be disposed of in accordance with local regulations on waste disposal. For more information on the handling, disposal and recycling of the product, please contact the local authorities, the local recycling facilities for household waste or the retailer from whom you purchased the appliance.

12 Index

A
Accessories 56
Acoustic signal 13, 19
Additional function
  Delayed start 16, 39
  Energy saving 16, 37
  Saving 38
  Selecting 37
Additional functions 12
Appliance construction 11
Appliance description 10

B
Before using for the first time 5

C
Children in the home 7
Cleaning
  Filter system 43
  Spray arms 44
Cleaning products
  «All in 1» 35
Cleaning the exterior 42
Cleaning the interior 42
Consumption data 15
Cutlery basket 33

D
Daily. 14
Delayed start 16, 39
Detergent
  «All in 1» 20
Digital display 13
Disconnection 64
Dishes
  Loading 26
  Unloading 41
Dishwashing tips 55
Display. 13
  A/0 . . . . . 48, 49
  A/2 49
  E/_. 50
  E/1/8. 49
  U/E 51
Display elements 12
Disposal. 64

E
Easy prongs 29, 32
Economy programme 14
  Selecting 36
Electrical connection 58
End of programme 41
Energy saving 16, 37
External dimensions 58

F
Filter system
  Cleaning 43
FN (serial number) 48

G
Glass holder 28

H
Height adjustable. 30
Hot water. 24

I
Identification plate 67
Intensive 14

L
Loading tips for the lower basket
  Cutlery basket 33
  Easy prongs 32
  Loading 31
Loading tips for the upper basket
  Easy prongs 29
  Glass holder 28
  Height adjustable 30
  Loading 27
  Racks 28
Lower basket
  Loading 31

M
Malfunction 67
Model no. 2

N
Noise measurement 63
Note for testing institutes
  EURO 60. 61
  SMS 55 59

O
Operating elements 12
Operation indicator on glass panel 11, 13
Overflow protection 58

P
Packaging 64
Plumbing 58
Power failure 9, 54
Pre-rinsing 14
Programme
  Aborting 40
  Interrupting 40
  Selecting 36
Programme buttons 12
Programme overview 14
Programme sequence 15
Programme symbols 12

Q
Quick instructions 68
Quick/Glass 14

R
Racks 28
Regeneration salt
  Filling reservoir 45
Repair service 67
Rinse agent
  Filling reservoir 46
Rinse agent dosage 21

S
Safety 64
Safety concept 58
Safety precautions
  Before using for the first time 5
  Children in the home 7
  Correct use 6
  Note on use 7
Serial number (FN) 48
Spare parts 57
Spray arms
  Cleaning 44
Symbols 2

T
Technical data 58
Trouble-shooting 48
Type 2

U
Unloading 41
Upper basket
  Loading 27
Use 14
User settings 17, 18
Using for the first time 5

V
Validity 2

W
Wash programme 36
Water connection 9
Water hardness 22
  Levels 23
Water inlet filter
  Cleaning 47

13 Repair service

The TROUBLE-SHOOTING section will help you to carry out small repairs yourself, saving you the time and trouble of calling out a service technician and the cost that goes along with it.

Whether you contact us about a malfunction or an order, please always state the serial number (FN) and the model type of your appliance. Enter these details below and also on the service sticker which comes with the appliance. Stick it in a conspicuous place or in your telephone or address book.

FN		Appliance	

You will also find the same details on the certificate of guarantee, the original sales invoice and the identification plate of the appliance.

➤ Open the appliance door.
  – The identification plate is located on the left-hand side on edge of the tub.

Quick instructions

Please first read the safety precautions in the operating instructions!

- ➤ Open the appliance door
- ➤ Load the dishes
- ➤ Add the detergent
- ➤ Select a programme
- ➤ Select any additional function(s), if required
- ➤ Close the appliance door
- ➤ The programme starts immediately
- ➤ When a long acoustic signal is emitted, open the appliance door and unload the dishes

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